Reference 9

9532549

TWC Reg. No. 31288

TEXAS WATER COMMISSION
Solid Waste Compliance Monitoring Inspection Report

C.O. Use Only

INSPECTION COVER SHEET

TWC Dist. 12

EPA ID No. TXD086278058 COMMERCIAL WASTE Facility ___ GOVT. Facility ___

NAME OF COMPANY FRC ENERGY CORP. dba Falcon Refining

MAILING ADDRESS 7322 SOUTHWEST FRWY HOUSTON, TEXAS Tel. 512-776-3115

SITE LOCATION INTERSECTION of FM 2725 & BISHOP Rd. Tel. " " "

COUNTY SAN PATRICIO TYPE OF INDUSTRY oil REFINING

GENERATOR CLASSIFICATION: Industrial ✓ Municipal ___

Part A Application submitted to the State ? Yes ✓ No ___ To EPA ? Yes UNK. ___ No ___
Affidavit of Exclusion submitted to the State ? Yes ✓ No ___
Was a written exclusion granted by TWC? Yes ___ No ✓ If yes, Date ___
Will this facility require a permit ? Yes ___ No ✓

CURRENT WASTE MANAGEMENT (Haz.-"H", Class I NonHaz.-"NH", Class II-"II", Class III-"III"

Generator NH, H, II Treatment ___ Storage NH Disposal NH, II Transporter ___

HW Exemptions(check): 90-Day Storage ___ Other ___

claimed by GENERATOR *SQG ✓ :Total HW Generation Per Month: <100 kg. ___ 100-1000 kg. ✓

H W Facilities (circle appropriate codes): C T SI WP LT LF I TT TR WDW O

N H Facilities (circle appropriate codes): (C) (T) SI WP LT LF I TT TR WDW O

Anomalies in the above information will be addressed by: (a) Enforcement in progress ___, (b) Central Office ✓, (c) District Office ___, (d) Owner/Operator ___.

Type of Inspection (circle): (EV) EB EC CL GW (SA) CD FO OT FE SQ SW

Inspector's Name and Title CARLTON STANLEY, FIELD INVESTIGATOR

Inspection Participants Claude Richey, PLANT MANAGER, MR. Schlechter, CONSULTANT

Date(s) of Inspection 3/12/86

Approved: _____ District Manager Signed: Carlton K. Stanley Inspector 6-5-86 Date

* SQG- Small quantity generator, <1000 kg. of hazardous waste per month.

09 001 01/

TWC Reg. No. 31288

TEXAS WATER COMMISSION
Solid Waste Inspection Report
CONTENTS SHEET

COMPANY NAME: FALCON Refining

✓ 1. Code Sheet (0814)

✓ 2. Inspection Cover Sheet

____ 3. Special Inspection Cover Sheet (HB.2358)

✓ 4. Generators Checklist

____ 5. Small Quantity Generator Checklist

____ 6 General Facilities Checklist

*7. Component Facility Checklists

- ✓ A. Containers (C)
- ✓ B. Tanks (T)
- ____ C. Surface Impoundments (SI)
- ____ D. Waste Piles (WP)
- ____ E. Land Treatment (LT)
- ____ F. Landfills (LF)
- ____ G. Incinerators (I)
- ____ H. Thermal Treatment (TT)
- ____ I. Chemical, Physical, or Biological Treatment (TR)
- ____ J. Other (O)

____ 8. Closure and Post-Closure Checklist ____ Closure-In-Progress Checklis

____ 9. Groundwater Monitoring Checklist

✓ 10. Notice of Violation (NOV) Letter

✓ 11. Interoffice Memorandum (IOM)

✓ 12. Registration

✓ 13. Maps, Plans, Sketches

____ 14. Photographs/Slides

____ 15. Other (describe)

* If a required Checklist is omitted, explain: SQG checklist is not being submitted due to questionable SQG status

09 002 01

IWC Solid Waste Inspection Rep

TWC Reg. No. 31288

GENERATORS CHECKLIST

Section A - Notification and Waste Determination (335.6, .62, .63)

***

1. Has generator completed an appropriate hazardous waste determination for each solid waste produced? YES ___ NO ✓

2. Check the method used for determination :

   a. Listed as a hazardous waste in 40 CFR Part 261, Subpart D. ___ SEE COMMENTS
   b. Process or materials knowledge. ___
   c. Tested for characteristics as identified in 40 CFR Part 261, Subpart C (If equivalent test method is used, attach a copy). ___

NOTE: If a hazardous determination has not been made or appears to be incorrect, the inspector should obtain a sample of the waste for analysis and explain in comments.

3. Has the facility received an EPA ID number? N/A ___ YES ✓ NO ___

4. Is notification of waste streams generated correct? YES ___ NO ✓

5. Do all waste management (TSD) methods in use agree with Registration? SEE COMMENTS 3 YES ___ NO ✓

6. Does this facility generate, treat, store, or dispose of PCB wastes? YES ___ NO ✓
   If yes, describe storage and disposition:

7. Does this facility generate **used oils** ? YES ✓ NO ___
   If yes, describe storage and disposition:

   STORED IN slop oil TANKS - SOLD OR RECLAIMED

8. Does this facility generate **spent solvents** ? YES ✓ NO ___
   If yes, describe storage and disposition:

   MINOR AMOUNTS of SOLVENTS USED IN the LAB ARE PUT into slop oil TANK

9. Does this facility utilize **sumps** in the management of hazardous waste? If yes, describe use: YES ___ NO ✓ CHS

*** An entry in this column indicates corrective action/response is needed

09 003

11/85

Section B - Special Conditions (335.75)

***

1. If generator has received from or transported to a **foreign** entity any hazardous waste, has the appropriate notice been filed with the EPA Regional Administrator? N/A ✓ YES ___ NO ___

2. Was the waste manifested and signed by the foreign consignee? N/A ___ YES ___ NO ___

3. Has confirmation of waste transport out of the country been received by the generator? N/A ___ YES ___ NO ___

Section C - Recordkeeping and Reporting (335.9, .10, .13, .70-71)

1. Does the generator maintain the following records and reports (if applicable) for the necessary three years?

SEE COMMENTS

a. Shipping Manifests	N/A ___	YES ___	NO ___
b. Monthly off-site shipment summaries	N/A ___	YES ___	NO ___
c. Monthly on-site land disposal summaries	N/A ___	YES ___	NO ___
d. Monthly waste receipt summaries	N/A ___	YES ___	NO ___
e. Tests and analyses	N/A ___	YES ___	NO ___
f. Annual reports	N/A ___	YES ___	NO ___

2. Has generator submitted **exception reports** to TWC for any original (white) copies of manifests not received back? N/A ✓ YES ___ NO ___

3. Have any spills, unauthorized discharges or threats of such discharges occurred? YES ✓ NO ___

If yes, have they been reported? (335.4, .453) SEE COMMENTS N/A ___ YES ___ NO ✓

Have they been remedied? (335.453) Explain. N/A ___ YES ___ NO ✓

+++ IF GENERATOR DISPOSES OF WASTES ON-SITE ONLY, WRITE N/A IN SECTION D +++

Section D - Pretransport and Manifest Requirements (335.61-68)

1. Identify primary off-site disposal facilities:

NO RECENT off-site shipments

2. Are off-site disposal facilities permitted or operating under interim status standards? N/A ✓ YES ___ NO ___

3. Are TWC manifests properly completed? N/A ✓ YES ___ NO ___

++++ STOP & SIGN HERE IF FACILITY QUALIFIES AS A SMALL QUANTITY GENERATOR ++++

Signed: _____

SQG STATUS UNDETERMINED

09 004

**

Section D - (Continued)

COMPANY NEEDS TO MAKE WASTE DETERMINATIONS

4. Do containers used to hold waste(s) meet DOT **packaging requirements** (49 CFR Parts 173, 178, 179) before being offered for transport (if circumstances observed)? NOT OBSERVED N/A___ YES___ NO__

5. Does generator **label** and **mark** each package in accordance with 49 CFR Part 172 (if circumstances observed)? N/A___ YES___ NO__

6. Is each container of 110 gallons or less **marked** with the required hazardous waste warning label? N/A___ YES___ NO__

7. Does generator **placard** off-site waste shipments in accordance with DOT regulations (49 CFR Part 172, Subpart F)? (if circumstances observed) N/A___ YES___ NO__

Section E - Accumulation Time Exemption (335.69)

Note: A facility may accumulate and store hazardous wastes in containers or tanks for up to 90 days without a permit.

1. Is the beginning **date** of Accumulation Time clearly indicated on each container? N/A___ YES___ NO__

2. Is each container or tank clearly labeled or marked with the words "Hazardous Waste"? N/A___ YES___ NO__

Note: Attach a Container Storage Area Checklist for each container storage area.

Note: Attach a Tanks Checklist for each tank or each group of similar tanks.

Note: If this is a T/S/D Facility, proceed to General Facilities Checklist.

09 005 0

TWC Reg. No. 31288

Checklist GENERATORS

COMMENTS SHEET

Section A /(1,2) The company has not made hazardous waste determinations on the numerous drums of unknown materials on site. Additionally the company generated & disposed on-site cooling sludge w/out making a hazardous waste determinatic I collected a sample of the cooling tower sludge which turned out to be non-hazardc Although the material contained high levels of total chromium.

Section A /(4,5) The company does not have the following waste materials on the N.O.R. DAF float, API separator sludge, cooling tower sludge, lab wastes CMS misc. drums of unknown materials, & plant refuse.

The company is currently using two tanks for the storage of spent caustic; the N.O.R indicates that only one tank is being used. Also the areas of cooling tower sludge & plant refuse disposal are not on the N.O.R. As well as drum storac area

Section C /(1) The company has been delinquent in the submission of annual & monthly reports.

Section C /(3) The company disposed of cooling tower sludges on-site which contain high levels of chromium. No runoff controls are provided.

Additionally there are some drums which have leaked unknown materials onto the ground.

09 006

TWC Reg. No. 31288

TWC Solid Waste Inspection Report

Reg. Facility No. 01 & UNNOWN

TANKS CHECKLIST

2 tanks

Class of Waste (NH)

Use of Tank (check): Treatment___ Storage ✓

Type of Waste: SPENT CAUSTIC

Type of Tank (check): Elevated___ On-ground ✓ Below-grade___ Underground___

NOTE: Underground storage tanks are generally not being granted permit exemptions.

Describe Tank construction: STEEL; WELDED

Section A - General Operating Requirements ***

1. Is there evidence of ruptures, leaks, corrosion, or Tank failure? NO ✓ YES___

2. If the Tank is **uncovered:**

   Is there 2 ft. of freeboard, an adequate containment dike, a drainage control system, **or** a diversion structure? N/A ✓ YES___ NO___

   Describe:

3. If the Tank is **continuous-feed:**

   Is there a feed cutoff **or** bypass to standby Tank? N/A___ YES___ NO ✓

Section B - Waste Analyses

1. If the Tank is used to treat or store **significantly different** wastes:

   *a. Are waste analyses and trial treatment or storage tests done on these different wastes **or** Is there written, documented information on similar treatment or storage of similar wastes? N/A ✓ YES___ NO___

   *b. Are records available of these wastes analyses in the operating record? N/A___ YES___ NO___

* Not applicable to Tanks under the 90-Day Storage Exemption.
*** An entry in this column indicates corrective action/response is needed.

Section C - Tank Inspections

***

1. Are the following items (if present) inspected at least daily:

   a. Discharge control equipment (e.g. waste feed cut-off, bypass, and/or drainage system)? N/A ✓ YES ___ NO ___

   b. Monitoring equipment (pressure & temperature gauges, etc.)? N/A ___ YES ___ NO ___

   c. Data gathered from monitoring equipment? N/A ___ YES ___ NO ___

   d. Level of waste in each **uncovered** tank? N/A ___ YES ___ NO ___

2. Are the following items inspected at least weekly:

   a. Construction materials of tank for corrosion and leaks? YES ___ NO ___

   b. Construction materials of discharge confinement structures (dikes) for erosion or leaks? YES ___ NO ___

*3. Is a written **inspection schedule** kept at the site? N/A ___ YES ___ NO ___

*4. Are adequate Tank **inspection logs** maintained for the necessary three years? N/A ___ YES ___ NO ___

Section D - Special Requirements

1. Are **ignitable** and **reactive** wastes handled in accordance with the special requirements of TAC 335.266:

   a. Rendered non-ignitable or non-reactive
   or
   Protected from sources of ignition or reaction? N/A ✓ YES ___ NO ___
   (N/A if the Tank is used solely for emergencies)

   b. Compliant with the National Fire Protection Association buffer zone requirements for covered tanks? N/A ___ YES ___ NO ___

2. If the Tank is used to hold **incompatible** wastes:

   Is the Tank washed prior to placement of wastes incompatible with previously stored wastes? N/A ___ YES ___ NO ___

Tank Capacity & Dimensions: 1 tank 300 bbl. full of spent caustic
1 tank 250 bbl w/approximately 150 bbls of spent caustic

Comments: _____

09 008 04/86

TWC Reg. No. 31288

TWC Solid Waste Inpection Report
(TAC 335.241-247)
CONTAINER STORAGE AREA CHECKLIST

Reg. Facility No. —

Class of Wastes (?)

NOTE: TAC rules 335.241-247 apply to interim status and 90-Day Storage exempt facilities.

		***
1.	Are containers in good condition?	YES ___ NO ✓
2.	Are the containers compatible with the wastes being stored?	YES ✓ NO ___
3.	Are containers kept closed and stored in a safe manner?	YES ___ NO ✓
4.	Are containers inspected weekly for leakage and deterioration?	YES ___ NO ✓
5.	Are containers holding **ignitable** or **reactive** wastes kept at least 15 meters (50 ft.) from the facility's property line?	N/A ___ YES ✓ NO ___
6.	Are containers holding **incompatible** wastes separated by a physical barrier **or** sufficient distance?	N/A ✓ YES ___ NO ___
7.	Does the storage area have containment protection?	YES ___ NO ✓

8. Describe the Container Storage Area using comments sheet and/or photos:

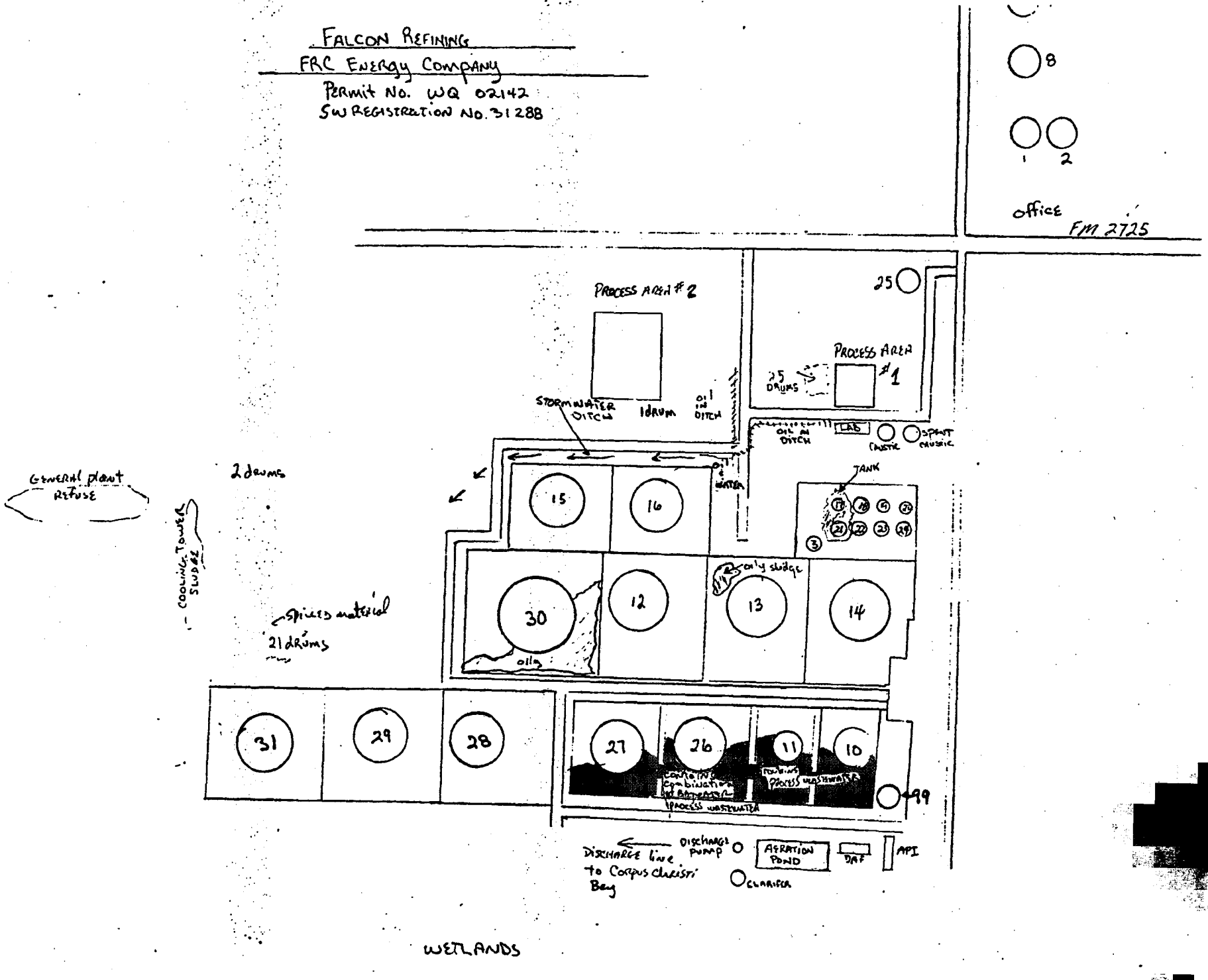
THE COMPANY DOES NOT HAVE A DESIGNATED DRUM STORAGE AREA ON THE REGISTRATION. SEE GENERAL COMMENTS & FACILITY MAP.

*** An entry in this column indicates corrective action/response is needed.

09 009

10/85

FALCON REFINING
FRC ENERGY COMPANY
PERMIT NO. WQ 02142
SW REGISTRATION NO. 31288



09 010

TEXAS DEPARTMENT OF WATER RESOURCES TDWR 0849

NO. SW 04258

District 12 Org. No. 322 Work No. 4472 Lab. TDH

Site Name [illegible]

Site Location [illegible]

County [illegible] Basin [illegible]

Method of Collection [illegible]

Point of Collection [illegible]

Type Facility: ☐ Drum; ☐ Tank; ☐ Impoundment; ☐ Landfill; ☐ Waste Pile; ☐ Landfarm; ☐ Other

Time Collected 2:30 (am, pm) Date Shipped 3-13-86

Add. COC #s

ODOR ☐ Yes, ☒ No; Describe

S.W. Registration (1–9)	Permit Number (10–18)	Page No. (19–21)	(22)	Date Mo. (23–24)	Day (25–26)	Yr. (27–28)	(29)
31244				03	12	86	

(Collector's Signature)

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value 71

TEXAS DEPARTMENT OF WATER RESOURCES TDWR 0849

NO. SW 04258

District 12 Org. No. 322 Work No. 4472 Lab.

Material Sampled: ☐ Solid waste (W); ☐ Liquid waste (L); ☒ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments

19K soil

(continued on back)

Lab Only — Date rec'd MAR 14 86; cmpl't APR 14 86 — EH6 0727

Analyst sign: [illegible]

Preservation: ☒ None; ☐ Ice; ☐ H_2SO_4; ☐ HNO_3; ☐ Other

Auxiliary Tags

☒ LEACHATE ✓ EP Toxicity Series: ___TDWR

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value 71
T chromium mg/kg	8020				
GC/MS					
EP Tox ug/l	46				

RECEIVED APR 24 1986 DISTRICT 12

RIORITY POLLUTANT PEAKS
QUANTITATION AS D10-ANTHRA
APPROXIMATE.

APPROXIMATE CONCENTRATION
AS D-10 ANTHRACENE
( ) MICROGRAMS/LITER
(✓) MILLIGRAMS OGRA

5

N-NITROSO-DI-N-... 1 DIETHYL PHTHALATE 1 BIS-(2-ETHYLHEXYL)PHTHALATE -1-

1011060

GC/MS ANALYSIS REPORT
EPA PRIORITY POLLUTANTS

HOGBERG DATE: 4/14/86

TDH SAMPLE NUMBER: EHC-727
TWC SAMPLE NUMBER: SW 04255

DETECTION LIMITS ARE APPROXIMATE

SAMPLE TYPE: SOIL

SAMPLE CONDITION: WET

ACID EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
PHENOL	<15	4-CHLORO-3-CRESOL	<15	4-NITROPHENOL	<30
CHLOROPHENOL	...	2,4,6-TRICHLOROPHENOL	...	2,6-DINITRO-2-CRESOL	...
2-NITROPHENOL	...	2,4-DIMETHYLPHENOL	...	PENTACHLOROPHENOL	...
2,4-DICHLOROPHENOL	...	2,4-DINITROPHENOL	<30		

BASE NEUTRAL EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
N-NITROSO-N-DIMETHYLAMINE	<5	ACENAPHTHYLENE	<5	FLUORANTHENE	<5
bis-(2-CHLOROETHYL) ETHER	...	DIMETHYL PHTHALATE	...	PYRENE	...
1,3-DICHLOROBENZENE	...	2,6-DINITROTOLUENE	...	BENZIDINE	...
1,4-DICHLOROBENZENE	...	ACENAPHTHENE	...	BUTYLBENZYL PHTHALATE	...
1,2-DICHLOROBENZENE	...	2,4-DINITROTOLUENE	...	BENZ(a)ANTHRACENE	...
bis-(2-CHLOROISOPROPYL)ETHER	...	FLUORENE	...	CHRYSENE	...
HEXACHLOROETHANE	...	4-CHLOROPHENYL PHENYL ETHER	...	3,3'-DICHLOROBENZIDINE	...
N-NITROSO-DI-n-PROPYLAMINE	...	DIETHYL PHTHALATE	...	bis-(2-ETHYLHEXYL)PHTHALATE	...
NITROBENZENE	...	DIPHENYLAMINE	...	DI-n-OCTYL PHTHALATE	...
ISOPHORONE	...	N-NITROSODIPHENYLAMINE	...	BENZO(j)FLUORANTHENE	...
bis-(2-CHLOROETHOXY)METHANE	...	1,2-DIPHENYLHYDRAZINE	...	BENZO(k)FLUORANTHENE	...
1,2,4-TRICHLOROBENZENE	...	4-BROMOPHENYL PHENYL ETHER	...	BENZO(a)PYRENE	...
NAPHTHALENE	...	HEXACHLOROBENZENE	...	INDENO(1,2,3-cd)PYRENE	...
HEXACHLOROBUTADIENE	...	PHENANTHRENE	...	DIBENZ(a,h)ANTHRACENE	...
HEXACHLOROCYCLOPENTADIENE	...	ANTHRACENE	...	BENZO(ghi)PERYLENE	...
2-CHLORONAPHTHALENE	...	DI-n-BUTYL PHTHALATE	...		

PESTICIDES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
alpha-BHC	<15	ALDRIN	<15	beta-ENDOSULFAN	<30
gamma-BHC	...	4-4'-DDE	...	ENDOSULFAN SULFATE	...
beta-BHC	...	DIELDRIN	...	ENDRIN	...
delta-BHC	...	4,4'-DDD	...	alpha-ENDOSULFAN	...
HEPTACHLOR	...	4,4'-DDT	...	HEPTACHLOR EPOXIDE	...
ENDRIN ALDEHYDE	...				

VOLATILE ORGANICS IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
CHLOROMETHANE	----	1,2-DICHLOROETHANE	----	1,1,2-TRICHLOROETHANE	---
BROMOMETHANE	----	CARBON TETRACHLORIDE	----	2-CHLOROETHYLVINYL ETHER	---
VINYL CHLORIDE	----	BROMODICHLOROMETHANE	----	TRICHLOROETHYLENE	---
CHLOROETHANE	----	BENZENE	----	BROMOFORM	---
TRICHLOROFLUOROMETHANE	----	DIBROMOCHLOROMETHANE	----	TOLUENE	---
CHLOROFORM	----	1,1,1-TRICHLOROETHANE	----	ETHYLBENZENE	---
METHYLENE CHLORIDE	----	1,2-DICHLOROPROPANE	----	1,1,2,2-TETRACHLOROETHANE	---
1,1-DICHLOROETHYLENE	----	trans-1,3-DICHLOROPROPYLENE	----	TETRACHLOROETHYLENE	---
1,1-DICHLOROETHANE	----	cis-1,3-DICHLOROPROPYLENE	----	CHLOROBENZENE	---
trans-1,2 DICHLOROETHYLENE	----				

TENTATIVE IDENTIFICATION OF THE TEN LARGEST NON-PRIORITY POLLUTANT PEAKS BY COMPARISON WITH EPA/NIH MASS SPECTRAL LIBRARY. QUANTITATION AS D10-ANTHRACENE IS PROVIDED, AND THE VALUES SHOULD BE REGARDED AS APPROXIMATE.

TENTATIVE COMPOUND IDENTIFICATION	APPROXIMATE CONCENTRATIONS AS D-10 ANTHRACENE ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM
x-thujene	5

COMMENTS AND OTHER REQUESTED ANALYSES:

TRACE OF OIL C_{17}-C_{35}

SIGNATURE

Richard D. Allison

DATE

4/24/86

1/86

0120

TEXAS DEPARTMENT OF WATER RESOURCES TDWR 0849

NO. SW 04257

District 22 Org. No 322 Work No 9472 Lab TDH

Site Name Pakan Refinery

Site Location Ingleside

Point of Collection [illegible]

Tanks 13

County San Patricio Basin [illegible]

Method of Collection Scoop

Type Facility: ☐ Drum; ☐ Tank; ☐ Impoundment; ☐ Landfill; ☒ Waste Pile; ☐ Landfarm; ☐ Other

Time Collected 2:45 (am, pm) Date Shipped 3-13-86

Add. COC #s

ODOR ☒ Yes; ☐ No; Describe STRONG hydrocarbon

S.W. Registration	Permit Number	Page No.		Date Mo.	Day	Yr.	
1 … 9	10 … 18	19 … 21	22	23 24	25 26	27 28	29
3 1 2 3 8					1 2	8 6	

(Collector's Signature) Calton Stanley

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value 71

TEXAS DEPARTMENT OF WATER RESOURCES TDWR 0849

NO. SW 04257

District 22 Org. No. 322 Work No. 9472 Lab. TDH

Material Sampled: ☒ Solid waste (W); ☐ Liquid waste (L); ☐ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments Strong Hydrocarbon odor

(continued on back)

Lab Only — Date rec'd MAR 14 '86; compl'd APR 14 '86; APR 15 '86 Analyst sign. KLH

EH6 0726

Preservation: ☒ None; ☐ Ice; ☐ H_2SO_4; ☐ HNO_3; ☐ Other

Auxiliary Tags

☐ LEACHATE: ___ EP Toxicity Series; ___ TDWR

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value 71
GC/MS					

RECEIVED APR 24 1986 DISTRICT 12

PRIORITY POLLUT..NT PEAKS
QUANTITATION AS D10-A
APPROXIMATE.

APPROXIMATE CONCENT
AS D-10 A' 'RAC
( ) MICROGR /LI
(✓) MILLIGRAMS/KI

~~600~~
3100
1500
2300
2900
2800
2600
2000
1200

09 013

EPA PRIORITY POLLUTANTS

CARL HOGBERG DATE: 4/14/86

TDH SAMPLE NUMBER EN6 726
TWO SAMPLE NUMBER SW0425 7

* DETECTION LIMITS ARE APPROXIMATE

SAMPLE TYPE: SOLID WASTE

SAMPLE CONDITION: INTACT

ACID EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
PHENOL	<340	4-CHLORO-3-CRESOL	<340	4-NITROPHENOL	<450
CHLOROPHENOL	↓	2,4,6-TRICHLOROPHENOL	↓	2,6-DINITRO-2-CRESOL	↓
2-NITROPHENOL	↓	2,4-DIMETHYLPHENOL	trace	PENTACHLOROPHENOL	↓
2,4-DICHLOROPHENOL	↓	2,4-DINITROPHENOL	<480		

BASE NEUTRAL EXTRACTABLES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
N-NITROSO-N-DIMETHYLAMINE	<120	ACENAPHTHYLENE	<120	FLUORANTHENE	40
bis-(2-CHLOROETHYL) ETHER	↓	DIMETHYL PHTHALATE	↓	PYRENE	23
1,3-DICHLOROBENZENE	↓	2,6-DINITROTOLUENE	↓	BENZIDINE	<120
1,4-DICHLOROBENZENE	↓	ACENAPHTHENE	27	BUTYLBENZYL PHTHALATE	↓
1,2-DICHLOROBENZENE	↓	2,4-DINITROTOLUENE	<120	BENZ(a)ANTHRACENE	↓
bis-(2-CHLOROISOPROPYL ETHER	↓	FLUORENE	140	CHRYSENE	43
HEXACHLOROETHANE	↓	4-CHLOROPHENYL PHENYL ETHER	<120	3,3'-DICHLOROBENZIDINE	<120
N-NITROSO-DI-n-PROPYLAMINE	↓	DIETHYL PHTHALATE	↓	bis-(2-ETHYLHEXYL)PHTHALATE	↓
NITROBENZENE	↓	DIPHENYLAMINE	↓	DI-n-OCTYL PHTHALATE	↓
ISOPHORONE	↓	N-NITROSODIPHENYLAMINE	↓	BENZO(j)FLUORANTHENE	↓
bis-(2-CHLOROETHOXY)METHANE	↓	1,2-DIPHENYLHYDRAZINE	↓	BENZO(k)FLUORANTHENE	↓
1, 2, 4-TRICHLOROBENZENE	↓	4-BROMOPHENYL PHENYL ETHER	↓	BENZO(a)PYRENE	↓
NAPHTHALENE	170	HEXACHLOROBENZENE	↓	INDENO(1,2,3-cd)PYRENE	↓
HEXACHLOROBUTADIENE	<120	PHENANTHRENE	260	DIBENZ(a,h)ANTHRACENE	↓
HEXACHLOROCYCLOPENTADIENE	↓	ANTHRACENE	<120	BENZO(ghi)PERYLENE	↓
2-CHLORONAPHTHALENE	↓	DI-n-BUTYL PHTHALATE	↓		

PESTICIDES IN (CHECK ONE) ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
alpha-BHC	<240	ALDRIN	<240	beta-ENDOSULFAN	<480
gamma-BHC	↓	4-4'-DDE	↓	ENDOSULFAN SULFATE	↓
beta-BHC	↓	DIELDRIN	↓	ENDRIN	↓
delta-BHC	↓	4,4'-DDD	↓	alpha-ENDOSULFAN	↓
HEPTACHLOR	↓	4,4'-DDT	↓	HEPTACHLOR EPOXIDE	↓
ENDRIN ALDEHYDE	↓				

VOLATILE ORGANICS IN (CHECK ONE) ( ) MICROGRAMS/LITER ( ) MILLIGRAMS/KILOGRAM :

NAME	AMT	NAME	AMT	NAME	AMT
CHLOROMETHANE		1,2-DICHLOROETHANE		1,1,2-TRICHLOROETHANE	
BROMOMETHANE		CARBON TETRACHLORIDE		2-CHLOROETHYLVINYL ETHER	
VINYL CHLORIDE		BROMODICHLOROMETHANE		TRICHLOROETHYLENE	
CHLOROETHANE		BENZENE		BROMOFORM	
TRICHLOROFLUOROMETHANE		DIBROMOCHLOROMETHANE		TOLUENE	
CHLOROFORM		1,1,1-TRICHLOROETHANE		ETHYLBENZENE	
METHYLENE CHLORIDE		1,2-DICHLOROPROPANE		1,1,2,2-TETRACHLOROETHANE	
1,1-DICHLOROETHYLENE		trans-1,3-DICHLOROPROPYLENE		TETRACHLOROETHYLENE	
1,1-DICHLOROETHANE		cis-1,3-DICHLOROPROPYLENE		CHLOROBENZENE	
trans-1,2-DICHLOROETHYLENE					

BY COMPARISON WITH EPA/NIH MASS SPECTRAL [illegible]
IS PROVIDED. AND THE VALUES SHOULD BE REGARDED AS APPROXIMATE.

TENTATIVE COMPOUND IDENTIFICATION	APPROXIMATE CONCENTRATION: AS D-10 ANTHRACENE ( ) MICROGRAMS/LITER (✓) MILLIGRAMS/KILOGRAM
~~decane~~ nonadecane	~~5000~~ 1000
undecane	3100
tridecane	1500
tetradecane	2300
C_3-phenol	2900
~~n-tetra~~pentadecane	2800
hexadecane	2600
heptadecane	2000
octadecane	1200
1,1'-(oxydiethylidene)bis benzene	1500
biphenyl	850
triethyl benzene	910

COMMENTS AND OTHER REQUESTED ANALYSES:

SAMPLE CONTAINS AN OIL C_{10} to C_{30}.

SIGNATURE: Richard A. Albert DATE: 4/24/86

1/86

0146

TEXAS DEPARTMENT OF WATER RESOURCES TDWR-0849

NO. SW 04258

District 22 Org. No. 322 Work No. 9472 Lab.

Material Sampled: ☐ Solid waste (W); ☐ Liquid waste (L); ☑ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments

19X Soil

(continued on back)

Lab Only: MAR 14 APR 15 '86 APR 14 '86 cmpn EFS 0727

Analyst sign: [signature]

Preservation: ☑ None; ☐ Ice; ☐ H_2SO_4; ☐ HNO_3 ☐ Other

Auxiliary Tags

☐ LEACHATE: ___ EP Toxicity Series: ___ TDWR

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value 71
T Chromium mg/kg		*Chromium (EP tox) µg/L		MAY 19 '86	
	8020		46		
GC/MS					
*Requested 5-8-86 Buddy Stanley					

Fulton

RECEIVED MAY 23 1986 DISTRICT 12

09 015

Texas Water Commission

INTEROFFICE MEMORANDUM

TO : Bill Brown, Field Operations Liaison
Hazardous and Solid Waste Division

DATE: June 5, 1986

THRU : Chip Volz, Manager, District 12

FROM : Carlton H. Stanley, District 12

SUBJECT: Falcon Refining (formerly Mid Gulf)
Solid Waste Registration No. 31288

On March 12, 1986 I conducted an annual solid waste inspection of Falcon Refining. This facility has been inactive for several years. It was recently purchased by the original owners of the refinery. Prior to the reactivation, the refinery claimed a small quantity generator status.

This inspection revealed the following noncompliances:

1. Failure to update the Notice of Registration to reflect current waste generation and disposition; violation of Texas Administrative Code (TAC) 336.6 (a)(b).

2. Failure to deed record the on-site disposal of cooling tower sludge and general plant refuse; violation of TAC 336.5

3. Failure to make hazardous waste determinations on additional waste materials generated at the refinery; violation of TAC 336.62.

4. The imminent threat of discharge of industrial solid waste. The company disposed of cooling tower sludge with high levels of chromium on-site with no runoff controls provided; violation of TAC 336.4(1).

Pending hazardous waste determinations on the numerous drummed materials on-site, the company may be in violation of other Texas Water Commission solid waste regulations.

Carlton H. Stanley

CHS/af

Attachments

GENERAL COMMENTS

This facility has been inactive for several years. It was recently purchased by the original owners of the refinery. The facility started up in late December 1985. Prior to the reactivation, the refinery claimed a small quantity generator status. The only hazardous wastes generated at the refinery were API separator sludge and DAF float. Spent caustic was tested for corrosive characteristics and did not exhibit hazardous characteristics. The only other wastes on the company's registration were crude oil tank bottoms and biological solids. It was noted during the inspection that other wastes have been generated - cooling tower sludge, lab wastes and drums of what appeared to be oil and other unknown materials. There have been no hazardous determinations conducted on these additional waste materials. There were approximately 50 drums located in various locations of the refinery. Approximately 30 drums contained material. (For location of drums see the attached refinery diagram.) Numerous drums are in various stages of deterioration. Four drums were tested with pH paper and exhibited a high pH (>11). There were 21 drums west of tank 31. There were numerous drums with bullet holes, and spilled material was noted in the surrounding area. Only four drums appeared to contain material. Two drums located several hundred yards further west were full and labeled "acetone". These drums were laying on their side. Additionally, when asked about the generation and disposition of cooling tower sludge, the refinery manager stated the cooling tower basin had been cleaned out and that sludge was "dumped on the ground".

No rainfall runoff controls are provided in that area. When asked about the use of chromium in the cooling towers, the plant manager said that to his knowledge none had ever been used. I collected a sample of the cooling tower sludge and had it analyzed for EP toxicity chromium and total chromium. The analysis indicated that the sludge is nonhazardous. However, total chromium was 8020 ppm.

Also observed and sampled was an oily sludge which had been dumped inside the fire walls of tank 13 (copy of Chain of Custody Tag attached). South of the cooling tower sludge disposal area there was a substantial quantity of what appeared to be general plant refuse, empty drums, plant trash, etc.

General Comments - continued

Pending waste determinations, the facility may not be eligible for the small quantity generator status and may be in violation of numerous Texas Administrative Code and 40 CFR regulations.

Additional Comments:

During December 1985 the refinery made a 100,000 barrels run of slop oil which generated a substantial amount of very odorous wastewater. The refinery's wastewater treatment system was inoperable during this run. The refinery placed untreated wastewater in tankage then ultimately discharged the untreated wastewater into sandy, unlined containment structures (fire walls). District 12 has requested central office enforcement action by the Water Quality Division for housekeeping and other wastewater violations.

TEXAS WATER COMMISSION

June 5, 1986

Mr. Claude Richey
Plant Manager
Falcon Refining
P. O. Drawer RR
Ingleside, Texas 78363

Re: Solid Waste Registration No. 31288

Dear Mr.Richey:

On March 12, 1986 a representative from this office conducted an annual solid waste inspection at your facility. A copy of this report is attached. Your attention is invited to the cover memo indicating areas of noncompliance.

Please respond in writing to this office by July 7, 1986 of corrective measures planned or taken.

If you have any questions please contact Carlton H. Stanley at 512/882-2548 in Corpus Christi.

Yours truly,

Chip Volz
District Manager
District 12

CHS/af

Attachments